

Quiz 2: 1/21/15

Question 1

What is the interface between the user and the kernel called?

Question 2

What are the two types of memory?

Question 3

Use the program below:

```
int f(int n)
{
    if(n <= 0)
        return n;
    else
        return f(n-1) + f(n/2);
}

int main()
{
    int value = f(4);
    printf("Value = %d\n", value);
    return 0;
}
```

- a) Draw the callgraph from of this program.
- b) How many stack frames are required for this program to run?